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Patent Claims

1. A method for loading a software module into a processor unit in a controller in a means of transport, where
the software module (7) is executable in a plurality of controllers (1, 3, 5) and the controllers (1, 3, 5) interchange data via a data bus (8),
characterized in that
the selection regarding the controller (1, 3, 5) on which the software module (7) is loaded is made on the basis of the computation capacity of the controllers (1, 3, 5) which are currently in operation.

2. The method as claimed in claim 1, characterized in that before the software module (7) is executed it is ascertained which of the further controllers (1, 3, 5) provides the maximum free computation capacity and the software module (7) is started on this controller (1; 3; 5).

3. The method as claimed in claims 1 and 2, characterized in that the controller (1; 3; 5) on which the software module (7) is running compares its computation capacity with the computation capacity of the other controllers (1; 3; 5) and terminates the software module (7) on the basis of the comparison.

4. The method as claimed in claim 1 or 3, characterized in that the computation capacity of the controllers (1, 3, 5) is ascertained in rotation or upon request.

5. The method as claimed in claims 1 to 4, characterized in that the computation capacity of a

controller (1, 3, 5) is ascertained from the processor utilization level and the processor type.

6. The method as claimed in claims 1 to 5, characterized in that the software module (7) is started on the controller (1, 3, 5) having the maximum free computation capacity.

7. The method as claimed in claims 1 to 6, characterized in that the software module (7) is stored in the memory means in the controllers (1, 3, 5).

8. The method as claimed in claims 1 to 7, characterized in that an identifier for the software module (7) is sent to the data bus (8) in rotation or upon request, the identifier containing information about the operating state and the operating controller (1; 3; 5) of the software module (7).